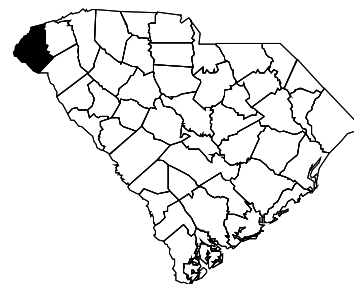


IMPACT OF CHRONIC CONDITIONS OCONEE County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Oconee county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Oconee county's population is similar to the state population. The majority (35%) of the population in Oconee county are between the ages of 18-44, and there are more females (51%) than males (49%). However, Oconee county has a lower minority population (9%) than the state (31%). When adults in DHEC's Region 1, which includes Oconee County were asked about their general health status, 79.3% reported having excellent, very good, or good health in 2005 (SC was 82%).

	OCONEE COUNTY	STATE
Population size	69,577	4,255,083
Age distribution (%)		
<18	21	24
18-44	35	38
45-64	27	25
65-84	15	11
85+	2	2
Race (%)		
White	91	69
Black & Other	9	31
Sex (%)		
Male	49	49
Female	51	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Oconee County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	27	22
Sedentary lifestyle	22	26
Overweight	71	65
High Cholesterol	40	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	36.2	.	.	.	.	31.7
Number of hospitalizations	45	15	30	19	26	5,032
Crude rate of hospitalizations (per 100,000)	65	239	47	55	74	118
Median age of hospitalized patients	62	57	57	57	70	57
Total cost of hospitalization (\$)	825,200	275,200	550,000	345,700	479,500	109,400,500
Average length of hospital stay (days)	4	3	4	4	4	5
Number of ED visits	89	20	69	33	56	7,466
Crude rate of ED visits (per 100,000)	128	318	109	96	159	175
Median age of ED patients	62	62	62	62	67	52
Total cost of ED visits (\$)	109,400	40,700	68,700	38,400	71,000	9,929,000
Number of deaths**	5	2	3	3	2	423
Age-Adjusted Death rate (per 100,000)**	6	40	4	7	4	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.8	.	.	.	.	4.1
Number of hospitalizations	1,286	96	1,190	760	526	60,901
Crude rate of hospitalizations (per 100,000)	1,848	1,528	1,880	2,215	1,491	1,431
Median age of hospitalized patients	67	62	72	67	72	67
Total cost of hospitalization (\$)	47,519,400	3,470,200	44,049,200	31,860,900	15,658,500	2,286,836,400
Average length of hospital stay (days)	4	5	4	4	4	5
Number of ED visits	321	38	283	170	151	12,989
Crude rate of ED visits (per 100,000)	461	605	447	495	428	305
Median age of ED patients	67	52	67	62	67	62
Total cost of ED visits (\$)	1,654,500	170,100	1,484,400	882,400	772,100	42,115,900
Number of deaths**	181	12	169	100	81	9,328
Age-Adjusted Death rate (per 100,000)**	218	226	217	273	170	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	2.9	.	.	.	.	3
Number of hospitalizations	246	32	214	100	146	13,925
Crude rate of hospitalizations (per 100,000)	354	509	338	291	414	327
Median age of hospitalized patients	72	75	72	72	77	72
Total cost of hospitalization (\$)	5,247,600	754,500	4,493,100	2,358,000	2,889,600	384,441,600
Average length of hospital stay (days)	6	7	6	6	6	6
Number of ED visits	62	5	57	26	36	2,515
Crude rate of ED visits (per 100,000)	89	80	90	76	102	59
Median age of ED patients	72	62	72	72	72	67
Total cost of ED visits (\$)	239,400	6,600	232,800	117,500	121,900	9,113,000
Number of deaths**	43	2	41	16	27	2,440
Age-Adjusted Death rate (per 100,000)**	53	37	54	50	56	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	170	12	158	61	109	15,753
Crude rate of hospitalizations (per 100,000)	244	191	250	178	309	370
Median age of hospitalized patients	62	47	62	62	62	62
Total cost of hospitalization (\$)	2,388,700	65,500	2,323,200	775,800	1,612,900	268,425,300
Average length of hospital stay (days)	5	2	5	4	5	5
Number of ED visits	469	78	391	192	277	36,543
Crude rate of ED visits (per 100,000)	674	1,241	618	560	785	859
Median age of ED patients	47	22	47	47	47	37
Total cost of ED visits (\$)	393,600	43,000	350,600	178,000	215,600	40,613,700
Number of deaths**	49	1	48	30	19	1,968
Age-Adjusted Death rate (per 100,000)**	55	20	58	81	40	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	10.1	.	.	.	.	10.3
Number of hospitalizations	153	33	120	68	85	9,027
Crude rate of hospitalizations (per 100,000)	220	525	190	198	241	212
Median age of hospitalized patients	52	52	52	55	52	52
Total cost of hospitalization (\$)	2,570,900	340,800	2,230,100	1,182,600	1,388,300	179,747,700
Average length of hospital stay (days)	5	4	6	5	6	6
Number of ED visits	109	27	82	54	55	9,603
Crude rate of ED visits (per 100,000)	157	430	130	157	156	226
Median age of ED patients	57	57	57	57	57	52
Total cost of ED visits (\$)	133,000	32,600	100,400	77,100	55,900	13,447,300
Number of deaths**	18	2	16	10	8	1,183
Age-Adjusted Death rate (per 100,000)**	22	37	20	30	16	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	312	21	291	139	173	16,389
Crude rate of hospitalizations (per 100,000)	448	334	460	405	491	385
Median age of hospitalized patients	67	62	67	67	67	62
Total cost of hospitalization (\$)	10,824,800	567,200	10,257,600	5,147,400	5,677,400	664,309,500
Average length of hospital stay (days)	7	6	7	7	7	8
Number of deaths**	156	10	144	80	76	8,617
Age-Adjusted Death rate (per 100,000)**	177	184	173	206	157	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	48	4	44	27	21	2,070
Crude rate of hospitalizations (per 100,000)	69	64	70	79	60	49
Median age of hospitalized patients	72	65	72	67	72	67
Total cost of hospitalization (\$)	2,140,300	108,900	2,031,400	1,291,200	849,100	101,377,700
Average length of hospital stay (days)	9	4	10	9	9	10
Number of deaths**	13	3	10	8	5	812
Age-Adjusted Death rate (per 100,000)**	16	61	12	24	10	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	25	3	22	-	25	1,228
Crude rate of hospitalizations (per 100,000)	71	94	69	.	75	56
Median age of hospitalized patients	62	57	67	-	62	62
Total cost of hospitalization (\$)	411,900	36,100	375,800	-	411,900	26,163,000
Average length of hospital stay (days)	2	3	2	-	2	3
Number of deaths**	14	1	13	-	14	651
Age-Adjusted Death rate (per 100,000)**	29	29	29	-	29	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	2	-	2	-	2	192
Crude rate of hospitalizations (per 100,000)	6	-	6	-	6	9
Median age of hospitalized patients	52	-	52	-	52	47
Total cost of hospitalization (\$)	59,800	-	59,800	-	59,800	4,668,500
Average length of hospital stay (days)	5	-	5	-	5	4
Number of deaths**	1	-	1	-	1	63
Age-Adjusted Death rate (per 100,000)**	3	-	3	-	3	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	35	1	34	18	17	2,181
Crude rate of hospitalizations (per 100,000)	50	16	54	52	48	51
Median age of hospitalized patients	67	47	67	70	62	67
Total cost of hospitalization (\$)	1,236,100	89,000	1,147,100	472,100	764,000	92,775,300
Average length of hospital stay (days)	7	15	7	6	8	9
Number of deaths**	48	-	48	29	19	2,703
Age-Adjusted Death rate (per 100,000)**	54	-	57	68	41	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	11	-	11	11	-	1,209
Crude rate of hospitalizations (per 100,000)	32	-	35	42	-	58
Median age of hospitalized patients	67	-	67	67	-	62
Total cost of hospitalization (\$)	240,700	-	240,700	240,700	-	30,356,600
Average length of hospital stay (days)	4	-	4	4	-	4
Number of deaths**	8	2	6	8	-	460
Age-Adjusted Death rate (per 100,000)**	27	92	23	27	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

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